

MATERIAL SAFETY DATA SHEET  
DRY CLEANER

Page : 1

**SLUYTER COMPANY LTD.**

375 Steelcase Road East  
Markham, Ontario L3R 1G3 Canada  
Tel (905) 475-6011 Fax (905) 475-3119

**SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

MANUFACTURER-----SLUYTER COMPANY LTD.  
375 Steelcase Road East  
Markham, Ontario L3R 1G3  
Canada  
Tel (905) 475-6011  
PRODUCT NAME-----DRY CLEANER.  
PRODUCT USES-----Stain Remover for fabrics.  
CHEMICAL FAMILY-----Chlorinated Solvents.

**SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS**

| INGREDIENTS / %   | CAS / TLV          | LD/50, ROUTE, SPECIES    | LC/50, ROUTE, SPECIES                 |
|-------------------|--------------------|--------------------------|---------------------------------------|
| PERCHLOROETHYLENE |                    |                          |                                       |
| 60 - 100          | 127-18-4<br>50 ppm | 2629 mg/kg<br>Oral (Rat) | 34200 ppm 8 Hours<br>Inhalation (Rat) |

**SECTION 03: HAZARDS IDENTIFICATION**

ROUTE OF ENTRY:-----  
SKIN CONTACT-----Can cause moderate skin irritation,  
defatting and dermatitis.  
SKIN ABSORPTION-----Can be absorbed through the skin resulting  
in toxic effects.  
INHALATION-----See "EFFECTS OF CHRONIC EXPOSURE", below.  
INHALATION CHRONIC-----Breathing of high vapour concentrations  
could cause dizziness, headache or even  
unconsciousness. May be anesthetic which  
could result in other central nervous  
system effects.  
INGESTION-----Can cause gastro-intestinal irritation,  
nausea, vomiting and diarrhea. Small  
amounts of liquid aspirated into  
respiratory system could cause severe  
health effects (e.g. Bronchopneumonia or  
Pulmonary Edema).  
EYE CONTACT-----Contains materials that are severely  
irritating to the eyes.  
EFFECTS OF ACUTE EXPOSURE-----Refer to "ROUTE ENTRY" section.  
EFFECTS OF CHRONIC EXPOSURE-----May cause damage to the central nervous  
system. Prolonged or repeated skin contact  
may cause drying or cracking of the  
skin. See "CARCINOGENICITY OF MATERIAL"  
heading under TOXICOLOGICAL INFORMATION in SECTION 11.

**SECTION 04: FIRST AID MEASURES**

EYE CONTACT-----Check for and remove any contact lenses.  
Immediately flush with water for a minimum  
of 20 minutes and get medical attention.  
SKIN CONTACT-----Remove contaminated clothing. Wash  
affected area with water and soap. Seek

Ref: 0000217E

Preparation Date : May.07.2015

**EMERGENCY - CALL CANUTEC (613) 996-6666 (Collect)**

MATERIAL SAFETY DATA SHEET  
**DRY CLEANER**

medical attention if irritation occurs or persists.  
INHALATION-----Remove patient to fresh air. If not breathing, trained personnel should administer artificial respiration. Get medical attention.  
INGESTION-----Do NOT induce vomiting. Get immediate medical attention.  
ADDITIONAL INFORMATION-----Contact your local poison control centre.

**SECTION 05: FIRE FIGHTING MEASURES**

FLAMMABILITY-----Non-flammable.  
UNDER WHAT CONDITIONS-----Fire hazard when exposed to open flames and high temperatures. Combustible product. May ignite if exposed to sources of heat, sparks, open flames or temperatures above the flash point.  
SPECIAL PROCEDURES-----A self-contained breathing apparatus is required for fire fighting personnel. Use water spray to cool fire exposed surfaces and to protect personnel. Use water spray to cool fire exposed surfaces and to protect personnel.  
FLASH POINT (METHOD)-----Not available.  
AUTO IGNITION TEMPERATURE-----500°C.  
UPPER FLAMMABLE LIMIT (% VOL)-----16.00.  
LOWER FLAMMABLE LIMIT (% VOL)-----7.00.  
EXTINGUISHING MEDIA-----Alcohol foam, CO2 or dry chemical.  
HAZARDOUS COMBUSTION PRODUCTS-----Hydrochloric acid. Oxides of Carbon (CO and CO2). Phosgene.  
SENSITIVITY TO MECHANICAL-----Unknown.  
IMPACT  
SENSITIVITY TO STATIC-----Unknown.  
DISCHARGE

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

LEAK/SPILL-----Ventilate. Remove all sources of ignition, open flames, sparks and heaters. Wear protective gear (See SECTION 8). Large spills must be collected for disposal. Small spills can be wiped. Use a non-combustible absorbent inorganic material. Prevent run-off into drains, sewers and other waterways.

**SECTION 07: HANDLING AND STORAGE**

HANDLING PROCEDURES-----Avoid skin and eye contact. Avoid breathing vapours. Use adequate ventilation. Keep away from heat, sparks and open flame.  
STORAGE NEEDS-----Store away from all sources of heat and ignition. Store in well ventilated area. Keep container closed and out of reach from children and pets when not in use.

MATERIAL SAFETY DATA SHEET  
**DRY CLEANER**

Page : 3

**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

PROTECTIVE EQUIPMENT:-----  
EYE/TYPE-----Safety glasses.  
RESPIRATORY/TYPE-----None required for normal use if adequate ventilation is maintained. If used indoors on a continuous basis or if the TLV is exceeded, the use of a cartridge type respirator (NIOSH/MSHA approved) is recommended.  
GLOVES/ TYPE-----Wear impervious gloves (Neoprene or Rubber).  
CLOTHING/TYPE-----Not applicable.  
FOOTWEAR/TYPE-----Not applicable.  
OTHER/TYPE-----Eye bath and safety shower.  
VENTILATION REQUIREMENTS-----Natural or mechanical ventilation to keep the vapour concentrations below the TLV.

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE-----Liquid.  
ODOUR-----Solvent odour.  
SPECIFIC GRAVITY-----1.62 - 1.68.  
ODOUR THRESHOLD (ppm)-----Not available.  
VAPOUR PRESSURE-----13 mmHg @ 20°C.  
VAPOUR DENSITY (AIR=1)----- > 1.00.  
EVAPORATION RATE-----Not available.  
BOILING POINT (deg C)-----121°C.  
pH-----Not applicable.  
SOLUBILITY IN WATER (% W/W)-----Negligible.  
COEFFICIENT OF WATER\OIL-----Not available.  
DISTRIBUTION  
FREEZING POINT----- < 0°C.  
MELTING POINT (deg C)-----Not applicable.  
MOLECULAR WEIGHT-----Not applicable.

**SECTION 10: STABILITY AND REACTIVITY**

INCOMPATIBILITY-----Aluminum and similar alloys. Strong acids and strong bases. Oxidizing agents.  
REACTIVITY CONDITIONS-----Excessive heat, sparks and open flame.  
HAZARDOUS PRODUCTS OF-----Oxides of Carbon (CO and CO2).  
DECOMPOSITION  
Hydrofluoric acid. Phosgene.

**SECTION 11: TOXICOLOGICAL INFORMATION**

EXPOSURE LIMIT OF MATERIAL-----See "HAZARDOUS INGREDIENTS" in SECTION 2.  
IRRITANCY OF MATERIAL-----Moderate.  
SENSITIZING CAPABILITY OF-----Not available.  
MATERIAL  
CARCINOGENICITY OF MATERIAL-----In a two year inhalation study using rats and mice, the National Toxicology Program has concluded that there is "clear evidence" of carcinogenicity in these species.  
TERATOGENICITY-----Not available.  
MUTAGENICITY-----Not available.  
REPRODUCTIVE EFFECTS-----Not available.  
SYNERGISTIC MATERIALS-----Alcohols.

MATERIAL SAFETY DATA SHEET  
**DRY CLEANER**

Page : 4

**SECTION 12: ECOLOGICAL INFORMATION**

ENVIRONMENTAL-----Not available. Can be dangerous if allowed to enter drinking water intakes. Product has an unaesthetic appearance and can be a nuisance. Do not contaminate domestic or irrigation water supplies, lakes, streams, ponds and rivers.

BIODEGRADABILITY-----Not available. The solvent portion of this product is biodegradable and vaporizes rapidly.

**SECTION 13: DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL-----Spilled material and water rinses are classified as chemical waste. To be disposed of in accordance with current Local, Provincial and Federal regulations.

**SECTION 14: TRANSPORT INFORMATION**

T.D.G. CLASSIFICATION-----In containers up to 5 litres - shipped as CONSUMER COMMODITY. If the shipment exceeds 500 kg in weight, shipped as CONSUMER COMMODITY - PERCHLOROETHYLENE SOLUTION) CLASS 6.1.

In containers over 5 litres - PERCHLOROETHYLENE (SOLUTION) CLASS 6.1 UN1897 P.G. II.

**SECTION 15: REGULATORY INFORMATION**

CPR COMPLIANCE-----This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS CLASSIFICATION-----Class D Div.1 Subdiv.B, Class D Div.2 Subdiv.A and Suvdiv.B.

**SECTION 16: OTHER INFORMATION**

IMPORTANT:-----The information on this Material Safety Data Sheet is furnished without warranty, expressed or implied. All the information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations for the accuracy or sufficiency.